

tle: EMBRYOGENESIS AND PLANT REGENERATION FROM MICROSPORES

Inventor(s): Kenneth J. Kasha/Ecaterina Simion

Application No.: 09/460,324 Docket Number: 411044.90021

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GROWTH OF DONOR PLANTS HARVEST AND CLEANING OF PLANT PARTS CONTAINING MICROSPORES



PRE-INDUCTION TREATMENT OF SPIKES OR DONOR PARTS IN PETRI PLATES



ISOLATION OF MICROSPORES (SEE FIG.4)



WASHING MICROSPORES IN COLD MANNITOL



PLACEMENT OF MICROSPORE DROPS ON FILTER PAPER USING VACUUM



INDUCTION CULTURE OF MICROSPORE DIFFERENTIATION OF EMBRYOS



REGENERATION OF EMBRYOS AND GROWTH OF DOUBLED HAPLOID PLANTS

FIG 1

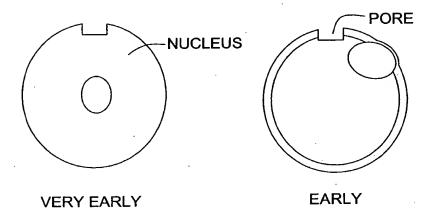


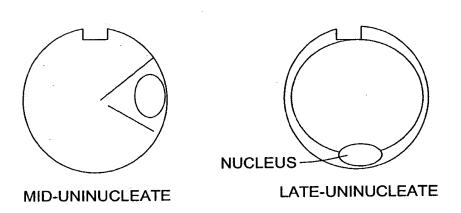
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CHARACTERIZATION OF UNINUCLEATE MICROSPORE STAGES







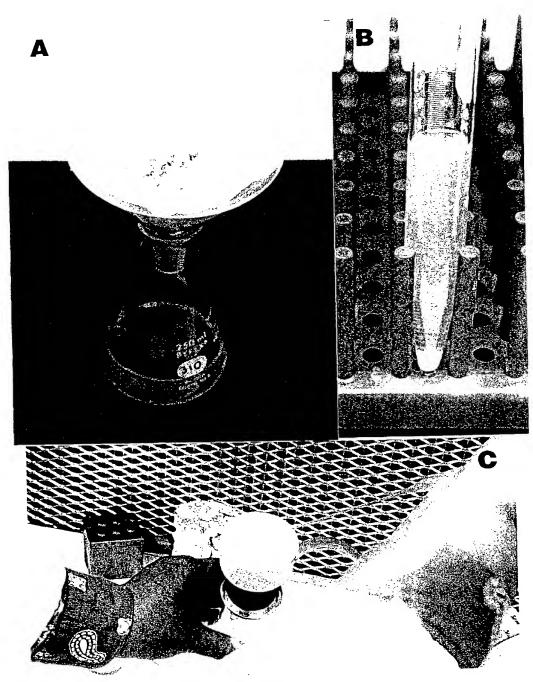






FIG 4







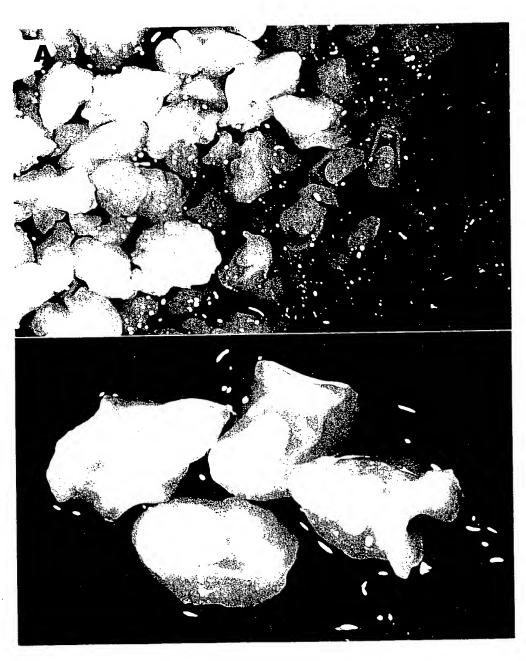


FIG 6